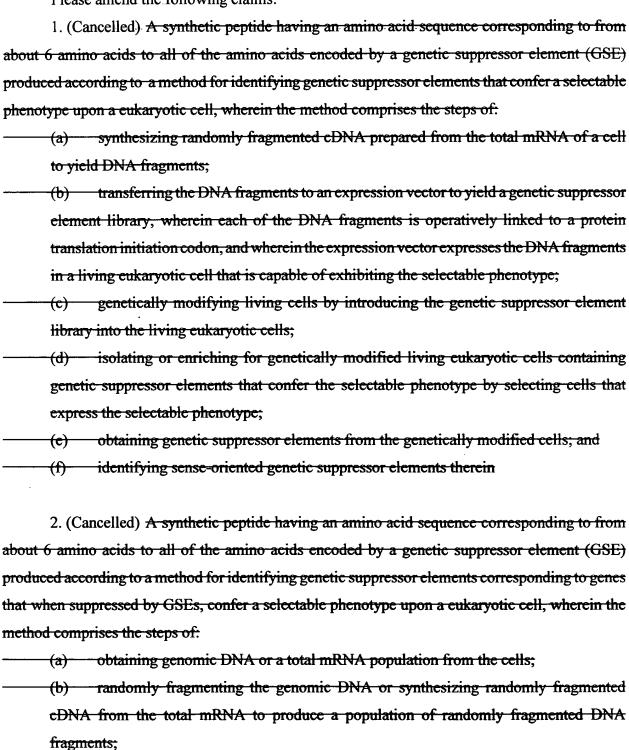
## **AMENDMENTS**

The Examiner is respectfully requested to make the following amendments.

## IN THE CLAIMS

Please amend the following claims:



	(c) ligating the randomly fragmented DNA fragments to synthetic adaptors to produce
	amplifiable random DNA fragments;
	——————————————————————————————————————
	DNA fragments;
5	——— (e) cloning the mixture of amplified DNA fragments into a suitable expression vector
	to produce a random fragment expression library;
	——————————————————————————————————————
	- (g) isolating or enriching for genetically modified living cells containing a selectable
	phenotype-conferring genetic suppressor element by selecting or enriching for cells that
10	express the selectable phenotype; and
	(h) recovering the genetic suppressor elements from the genetically-modified target cells
	having the selectable phenotype; and
	(I) identifying sense-oriented genetic suppressor elements therein
	3. (Cancelled) A synthetic peptide having an amino acid sequence comprising from about
	6 amino acids to all of the amino acids encoded by a genetic suppressor element produced according
	to a method for identifying genetic suppressor elements that confer upon a eukaryotic cell resistance
	to one or more chemotherapeutic drugs, wherein the method comprises the steps of:
	(a) obtaining random DNA fragments of a gene associated with sensitivity to
	chemotherapeutic drugs;
	(b) transferring the random DNA fragments to an expression vector to yield a genetic
	suppressor element library, wherein each of the random DNA fragments is operatively
	linked to a protein translation initiation codon, and wherein the expression vector is capable
	of expressing the DNA fragments in a living eukaryotic cell that is susceptible of inhibitory
	effects of a chemotherapeutic drug;
	(c) genetically modifying living eukaryotic cells by introducing the genetic suppressor
	element library into the living cells;
	(d) isolating or enriching for genetically modified living cells containing
	chemotherapeutic drug resistance-conferring genetic suppressor elements by selecting cells
	in the presence of a chemotherapeutic drug, and;

- (e) obtaining genetic suppressor elements from the genetically modified eukaryotic cells; and
- (f) identifying sense-oriented genetic suppressor elements therein
- 4. (Currently amended) A synthetic peptide according to claim 1 having an amino acid sequence comprising from about 6 amino acids to all of the amino acids encoded by a genetic suppressor element identified by Seq. ID No. 2-5, 9, 11, 12, 16 or 17.
- 5. (Cancelled) A synthetic peptide according to Claim 1, wherein the selectable phenotype is resistance in a eukaryotic cell to one or more chemotherapeutic drugs.
- 6. (Cancelled) A synthetic peptide according to Claim 2, wherein the selectable phenotype is resistance in a eukaryotic cell to one or more chemotherapeutic drugs.
- 7. (Cancelled) A synthetic peptide according to Claim 3, wherein the selectable phenotype is resistance in a cukaryotic cell to one or more chemotherapeutic drugs.
- 8. (Original) A synthetic peptide having an amino acid sequence corresponding to from about amino acids to all of the amino acids encoding a genetic suppressor element that is produced according to a method for identifying genetic suppressor elements that confer a selectable phenotype upon a eukaryotic cell, wherein the method comprises the steps of:
  - (a) synthesizing randomly fragmented cDNA prepared from the total mRNA of a cell to yield DNA fragments;
  - (b) transferring the DNA fragments to an expression vector to yield a genetic suppressor element library, wherein each of the DNA fragments is operatively linked to a protein translation initiation codon, and wherein the expression vector expresses the DNA fragments in a living eukaryotic cell that is capable of exhibiting the selectable phenotype;
  - (c) genetically modifying living cells by introducing the genetic suppressor element library into the living eukaryotic cells;

- (d) isolating or enriching for genetically modified living eukaryotic cells containing genetic suppressor elements that confer the selectable phenotype by selecting cells that express the selectable phenotype;
- (e) obtaining the genetic suppressor element from the genetically modified cells; and
- (f) identifying sense-oriented genetic suppressor elements therein,

wherein the GSE comprises a portion of a nucleic acid selected from the group consisting of nucleic acids identified by Seq. ID Nos. 2-5, 9, 11, 12, 16 or 17, wherein said peptide disrupts an activity of a protein produced by the cell.